TEC 5125VR

MODEL

SERVICE MANUAL

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL

CABINET BACK REMOVAL

1. Disconnect the antenna leads from the antenna terminals.
2. Remove 4 screws (A) securing the Cabinet Back to the Cabinet Front
3. Remove 2 screws (B) securing the Cabinet Back to the Jack Plate and detach the cabinet back.

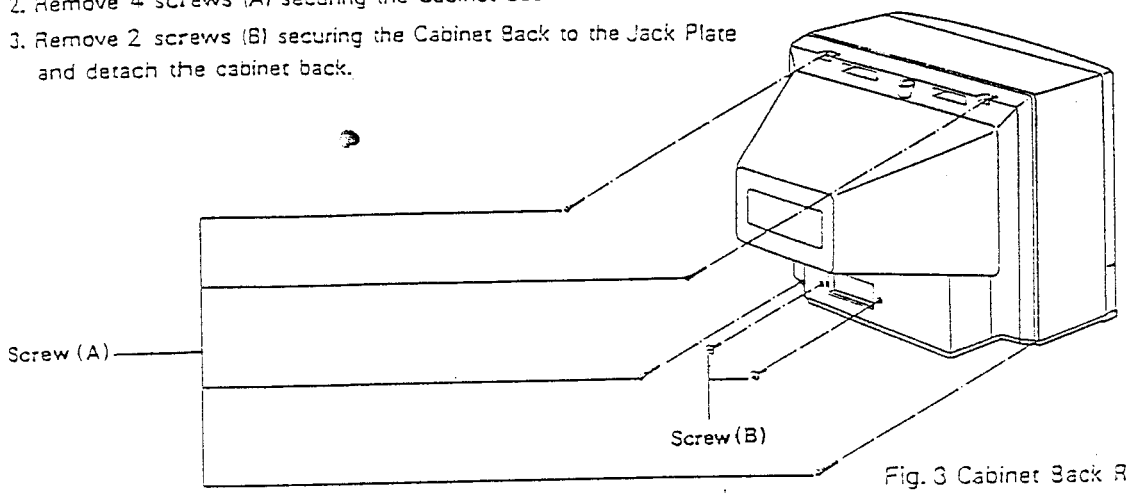


Fig. 3 Cabinet Back Removal

CHASSIS REMOVAL

Following the steps under Cabinet Back Removal, proceed as follows:

1. Unplug the CRT grounding wire socket connected to the CRT Socket Board.
2. Detach the picture tube anode cap.

Notice: Certainly discharge the high potential of the picture tube anode to the receiver chassis before removing the anode cap.

3. Detach the CRT Socket (CRT Socket Board).
4. Take out the chassis for the front cabinet.
5. Remove 6 screws securing the Control Board to the Cabinet Front.
6. Take out the control board from the front cabinet.

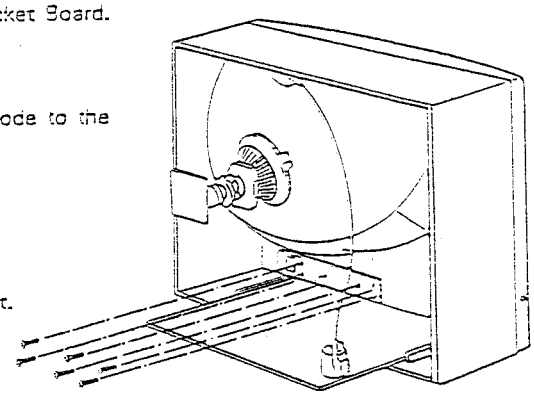


Fig. 4 Chassis Removal

PICTURE TUBE REMOVAL

Following the steps under CHASSIS REMOVAL proceed as follows:

1. Place the cabinet with the front down on a rolled pad or some suitable cushion placed near the top edge of the front panel.
2. Remove 4 screws securing the picture tube to the cabinet, and detach the CRT with the degaussing coil, then grasp the face plate edge of the picture tube with both hands and take out the picture tube.
3. Detach the CRT grounding wire which is attached to the picture tube lugs with spring.

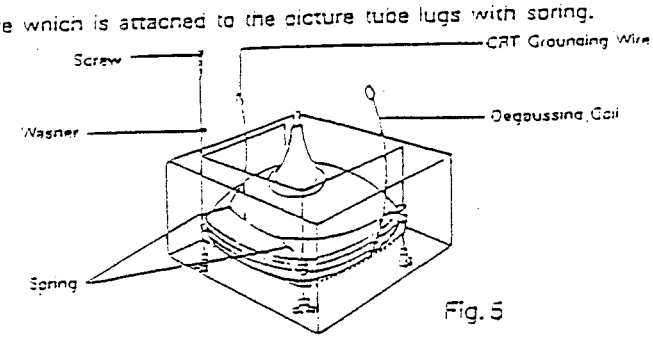


Fig. 5

GENERAL ADJUSTMENT INSTRUCTION

This receiver is transistorized and special care should be taken when servicing. Read the following matters that demand special attention before attempting adjustment.

1. Adjustment requires an exact procedure and should be unertaken only when necessary.
2. An isolation transformer should be used during any dynamic service to avoid possible shock hazard.
3. The test equipment specified or its equivalent is required to perform the alignment properly. Use of equipment which does not meet these requirements may result in improper alignment.
4. Correct matching of the equipment is essential. Failure to use proper matching will result in responses which can not represent the ture operation of the receiver.
5. The AC power line voltage should be kept 225 to 235 volts (50Hz) during alignment.
6. Do not attempt to connect or disconnect any wire while the receiver is in operation. Make sure the power cord is disconnected before replacing parts in the receiver.
7. Unless otherwise noted, do not perform any adjustment until the receiver has been turned on for at least 10 minutes.

I. Picture And Sound I.F. Adjustment

Test Equipment:

1. AM/FM signal generator (4.5MHz — 6.5MHz).
2. Sweep/Marker signal operator (30 MHz — 60 MHz).
3. Sync. oscilloscope.
4. Oscilloscope (volt sensitivity over 10mV and input impedance over 1 Mohm, below 10PF).
5. Probe (Low capacitance).
6. High impedance electronic voltmeter on VTM (Input impedance having 100K ohm/V at least).
7. DC power supply (Source such as a battery or a well regulated and isolated DC bias supply).

(A) 31.9MHz, 40.4MHz Traps, Picture I.F. And AFC Adjustment

(a) 31.9MHz, 40.4MHz Traps Alignments (This alignment for the model with FTZ Type only.)

1. Connect the signal output of sweep/marker generator to the Tp of Tuner through 1 K ohm resistor and 1000PF capacitor. (See Fig.8.).
2. Connector the external detecting circuit bewteen the syncosciiloscope input and TP 101 (Q101 — Collector). (See Fig. 9.).
3. Apply +16.5V DC across C314 on Main Board.
4. Tune T105 for maximum attenuation of 40.4MHz as shown in Fig. 10.
5. Tune T106 for maximum attenuation of 31.9 MHz as shown in Fig. 10.

(b) P.I.F. Alignment:

1. Remove the external detecting circuit from Main Board.
2. Reconnect the sync oscillossoie input with look ohm resistor in series to TP102
3. Apply a +8V DC dummy AGC bias to TP103 (pin 5 of IC101) throught 470 ohm resistor.

4. Apply a +3V DC to TP104 (pin 3 of IC405) and TP105 (pin 4 of IC405). through 100 ohm.

5. Tune T102 for maximum gain of 38.9MHz as shown in Fig. 11.

6. Tune T101 for maximum gain of 34.47MHz as shown in Fig. 11.

(c) AFC Alignment

1. Reconnect the sync osciiloscopie input with 1M ohm resistor in series to TP106 (pin 14 of IC101).

2. Adjust T103 for the marker (38.9MHz) of AFC wave form at position. (See Fig.12) the centre.

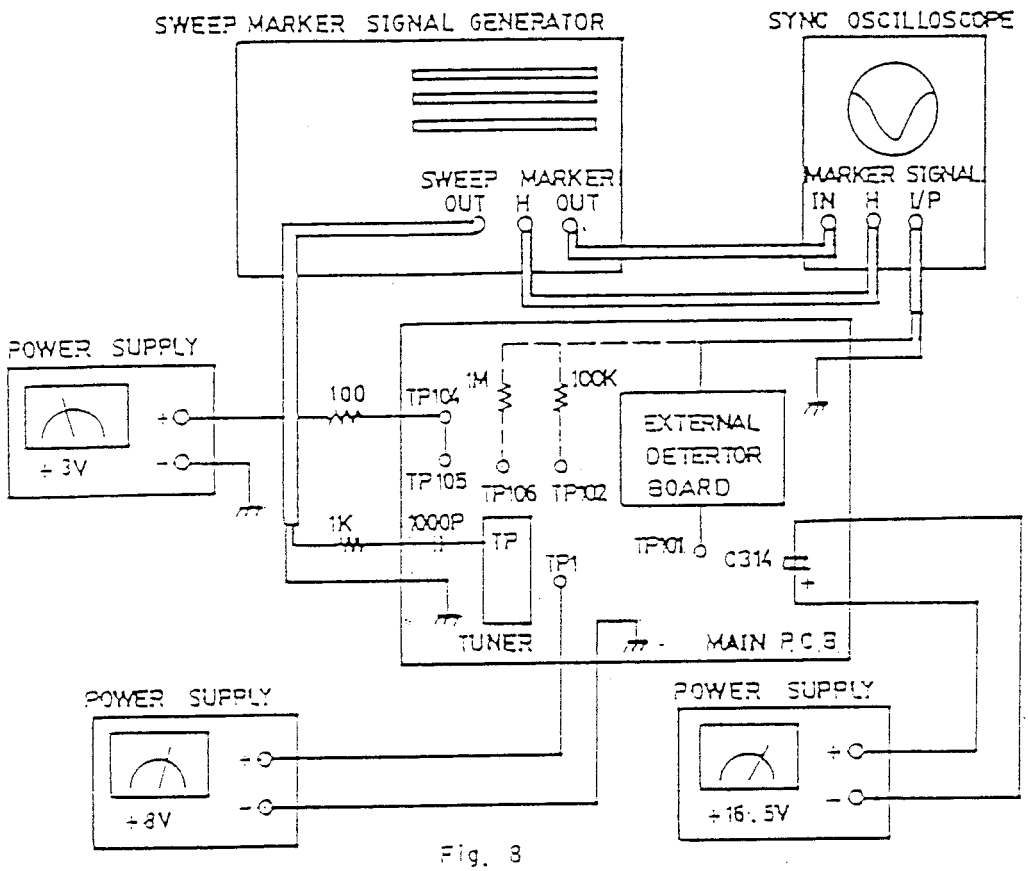


Fig. 8

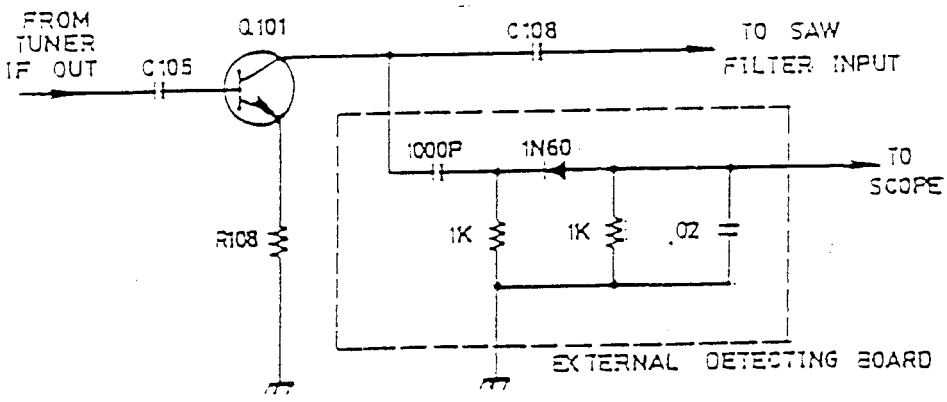


Fig. 9

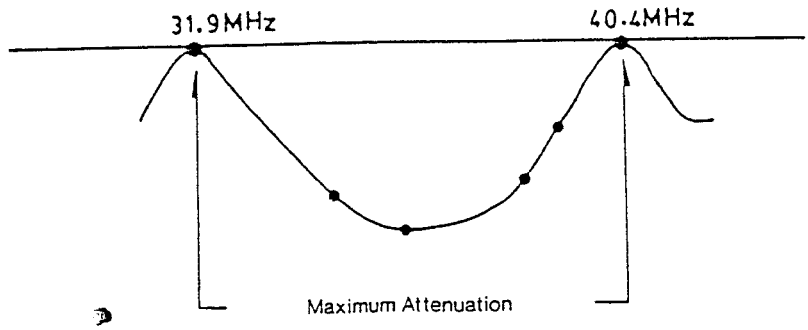
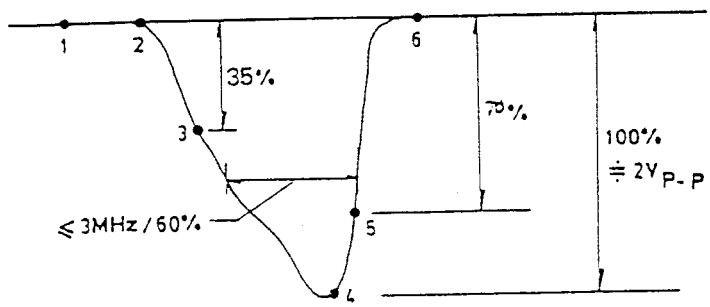


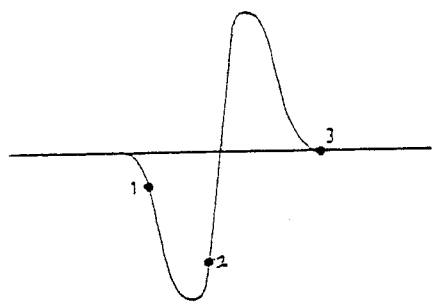
Fig. 10. 31.9, 40.4MHz Traps Resoponse Curve



P.I.F. RESPONSE:

No	Marker of B/G
1	31.9 MHz
2	33.4 MHz
3	34.47 MHz
4	37.9 MHz
5	38.9 MHz
6	40.4 MHz

Fig. 11. P.I.F. Response Curve



AFC Response

No	Marker of B/G
1	37.9 MHz (+)
2	38.9 MHz
3	40.4 MHz (−)

Fig. 12. AFC Response Curve.

(B) S.I.F. Alignment

1. The signal from AM/FM signal generator which is set at 5.5MHz with AF400Hz, 30% FM modulation, is applied to TP107 (between C127 and C128) through a 1K ohm resistor and a 1000pf capacitor as shown in Fig. 13.
2. Short TP103 (pin 5 of IC101) to ground.
3. Connect the oscilloscope input to TP109 (pin 23 of IC101)
4. Apply a +16.5V DC across C314 (TP108).
5. Adjust T104 for the marker (5.5MHz) of SIF waveform at the centre position Fig. 14.

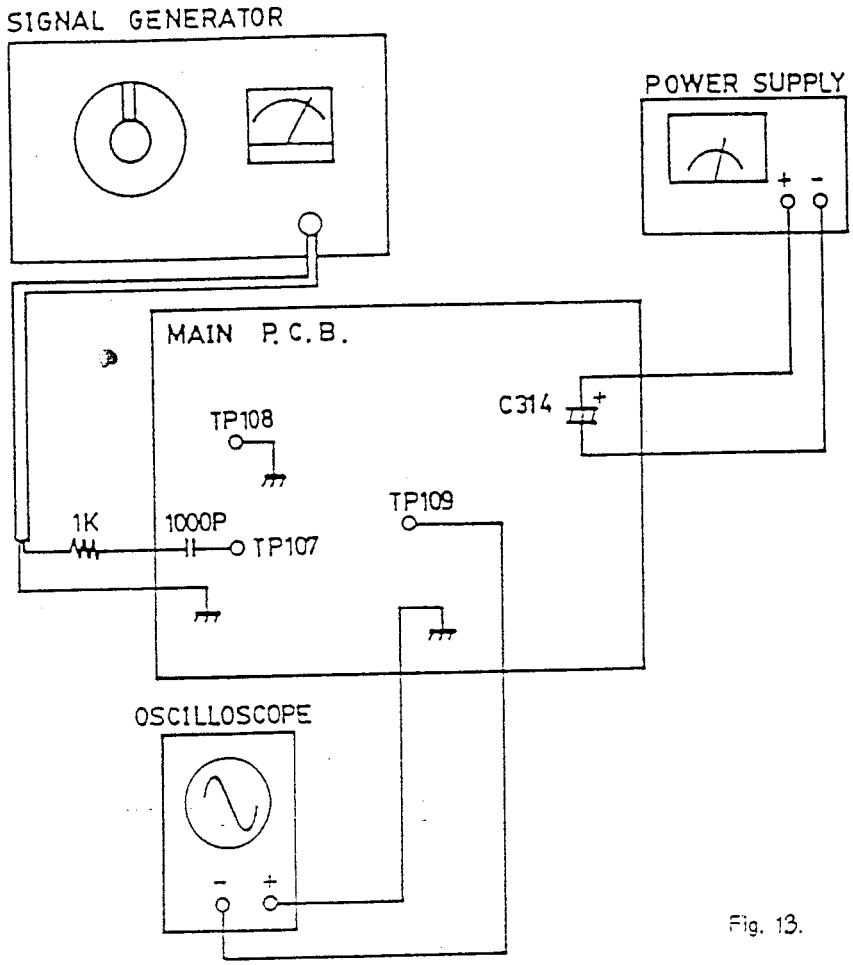


Fig. 13.

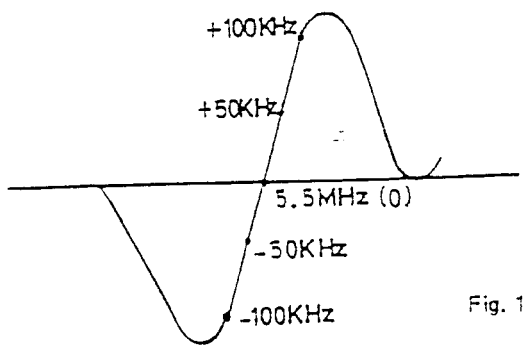


Fig. 14. SIF Response Curve

II. General Adjustment

1. Automatic Degaussing

An automatic degaussing coil is attached around the picture tube, degaussing the tube properly in about one second after the set is switched on. If the receiver is moved or faced in a different direction, the power must be switched off at least 15 minutes in order that the automatic degaussing circuit operates properly. External degaussing is necessary if the automatic degaussing proves ineffective after the set is moved. External degaussing is done by moving a degaussing coil circlewise in front of the face plate and then switch off the degaussing coil. If residual colour spots are still found on the screen, adjust the color purity and convergence.

2. B +(110V) Adjustment

CAUTION: To avoid X-Ray hazard's, B+ voltage must be set correctly at 110V position.

(a) Make sure the AC Power supply is 230V, 50Hz.

(b) Switch on the TV Receiver, tune in an active channel and adjust Brightness/Contrast for maximum.

(c) Connect TP601 (Q606-Emitter) on the Main PCB to a reliable DC voltmeter.

(d) Adjust VR601 on Main PCB for B +110V voltage reading.

3. High Voltage Check

CAUTION: There is no high voltage adjustment in this chassis. B+ 110V voltage directly relates to the high voltage. It must be properly adjusted to insure the correct high voltage. The high voltage must not exceed 28KV under any conditions.

(a) Connect an accurate high voltage meter to the second anode cap of the picture tube.

(b) Turn on the receiver, set Brightness the Contrast controls to minimum. (Zerobeam current)

(c) Make sure the high voltage does not exceed 28KV.

(d) No matter whether the luminance, contrast and chrominance controls are set to maximum or minimum, the high voltage must be kept under 28KV.

4. Focusing Adjustment

(a) Receive the philips pattern signal

(b) Set the contrast control to the maximum position.

(c) Adjust focus control of flyback tranformer for a well-defined, sharpest display in the centre of the screen.

5. Height Adjustment

(a) Receive the philips pattern signal.

(b) Adjust the height control (VR205) to slightly overscan the screen.

6. Horizontal Position

(a) Receive the philips pattern.

(b) Adjust horizontal hold control (VR203) to the centre of the pull-in range and finally get underviation picture.

7. Vertical Hold Adjustment

(a) Receive the philips patten.

(b) Short TP201 (pin 37 of IC202) to GND by jumper wire.

(c) Connect a frequency counter to TP202 (between C306 and C307).

(d) Adjust Vertical Hold control (VR204) for 45Hz to 46Hz reading.

8. Colour Syne Adjustment

(a) Tune in a colour bar signal.

(b) Set the colour control to maximum.

(c) Cut off the colour killer by connection the TP203 (pin 2 of IC202) and TP204 (pin 12 of IC202) with 10K ohm resistor.

(d) Short TP205 (L206) to GND by jumper wire.

(e) Adjust the colour sync variable capacitor (C242) for the colour bar pattern stand still or drifty slowly across the picture screen.

9. PAL Matrix Adjustment

(a) Tune in a colour bar signal

(b) Use oscilloscope with 2 channels input and set to "X – Y" mode.

(c) Channel 1 (x) is connected to TP206 (pin 21 of IC202) (R – Y)

(d) Channel 2 (Y) is connected to TP207 (pin 22 of IC202) (B – Y)

(e) Adjust amplitude balance VR202 until the centre points of the two wave forms bring together (Fig.15.)

(f) Adjust T205 until all other points of two waveforms bring together (Fig.15.)

(g) Adjust T206 to obtain the maximum hexagon.

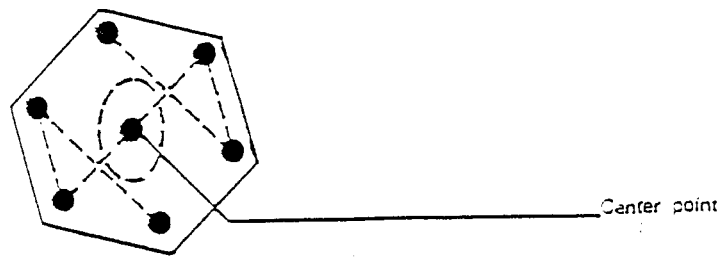


Fig. 15 Matrix Vector Diagram.

10. Delay AGC Adjustment

(a) Tune in the colour bar pattern signal

(b) Set input signal level at 60 dB

(c) Connect a high impedance DC Voltmeter to tuner AGC terminal.

(d) Adjust RF AGC control (VR101) for 5-5.2V reading. (MITSUMI TUNER)

(e) Increase input signal level to 100 dB.

(f) Check for normal picture, sound and sync.

11. White Balance Adjustment

(a) Receive a monochrome signal and warm up the set for 15 minutes.

(b) Set the R.G.B. cut-off (VR501, VR503, VR505) at the centre position.

(c) Rotate the G.B. drive controls (VR502, VR504) fully counter-clockwise first, then clockwise rotate back to 1/3 position.

(d) Turn the screen control to minimum position.

(e) Disconnect the Y signal output terminal connector.

(f) Short TP202 (between C306 and C307) to GND by jumper wire.

(g) Rotate the screen control gradually clockwise until the first horizontal line appears on the screen.

(h) If the first horizontal line is in red, adjust VR503, VR504 to increase the green and blue component level to get a white horizontal line.

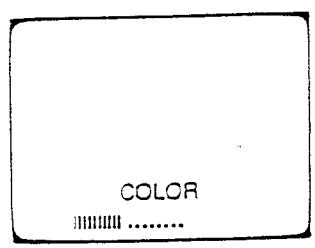
(i) Remove the Jumper wire, connect back the Y signal output terminal and switch back to TV.

(j) Receive the philips pattern signal and set the contrast colour control to minimum and brightness control to maximum.

(k) Adjust VR502, VR504 to maintain a good white balance at the brightest part of screen.

12. On-Screen Position Adjustment

(a) Tune in the philips pattern signal.
(b) Press "ANA. SEL." key and display shown.
(c) Adjust VR401 for the on-screen display position symmetry of the screen



13. Sub-Brightness Adjustment

(a) Receive the grey-scale pattern signal
(b) Set the contrast to maximum
(c) Set the color and bright to centre level
(d) Adjust sub-bright (VR402) until the grey-scale has just appeared 8 steps.

III. Color Purity And Convergence Adjustment

1. Color Purity Adjustment

NOTE: Before attempting any purity adjustments, the receiver should be operated for at least fifteen minutes.

(a) Demagnetize the picture tube and cabinet using a degaussing coil.

(b) Turn the Contrast and Brightness controls to maximum.

(c) Adjust Red and Blue controls (VR501) and (VR505); to provide only a green raster. Advance the Green Bias control (VR502) if necessary.

(d) Loosen the clamp screw holding the yoke backward to provide vertical green belt (Zone) in the picture screen.

(e) Remove the Rubber Wedges.

(f) Rotate and spread the tabs of the purity magnet (see Fig.21.) around the neck of the picture tube until the green belt is in centre of the screen. At the same time, centre the raster vertically.

(g) Move the yoke slowly forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.

(h) Check the purity of the red and blue raster by adjusting the Bias controls.

(i) Obtain a white raster, referring to white balance adjustment.

(j) Proceed with convergence adjustment.

2. Convergence Magnet Assembly Positioning

Convergence Magnet Assembly and Rubber Wedges need mechanical positioning following Fig. 20.

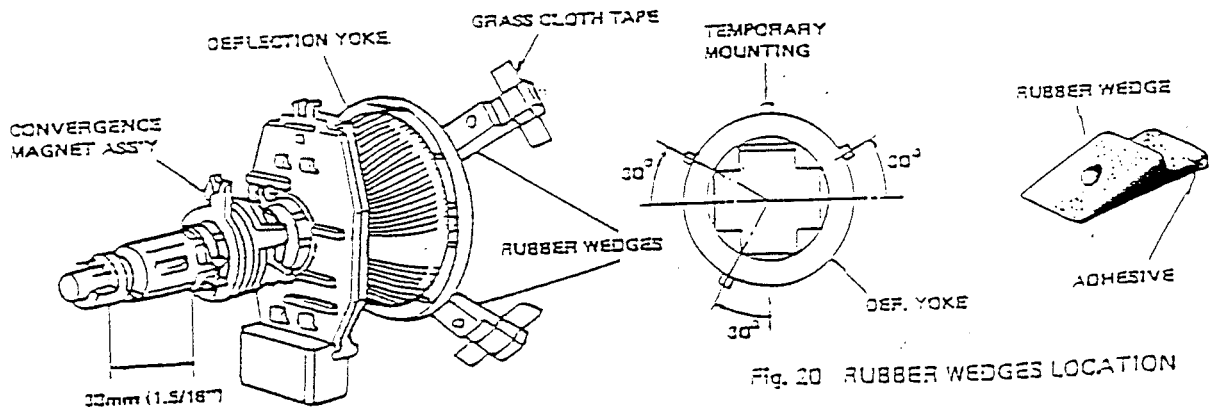


Fig. 20 RUBBER WEDGES LOCATION

3. Centre Convergence Adjustment

NOTE: Before attempting any convergence adjustments, the receiver should be operated for at least fifteen minutes.

(a) Receive crosshatch pattern with a color bar signal generator.

(b) Adjust the Brightness and Contrast controls for well defined pattern.

(c) Adjust two tabs of the 4 Pole Magnets to change the angle between them (see Fig. 21.) and superimpose red and blue vertical lines in the centre area of the picture screen. (See Fig. 22.)

(d) Turn both tabs of the 4 Pole Magnets to change the angle to superimpose red and blue horizontal lines at the centre of screen (See Fig. 22)

(f) Repeat adjustments 3, 4, 5, keeping in mind red, green and blue movement, because 4 Pole Magnets and 6 Pole Magnets interact and make dot movement complex.

4. Circumference Convergence Adjustment

NOTE: This adjustment requires Rubber Wedges and Glass Cloth Tapes.

(a) Loosen the clamping screws of deflection yoke to allow the yoke to tilt.

(b) Place a wedge as shown in Figure 6 temporarily. (Do not remove cover paper on adhesive part of the wedge).

(c) Tilt front of the deflection yoke up or down to obtain better convergence in circumferenc. (See Fig. 22.) Push the mounted wedge into the space between picture tube and the yoke to hold the yoke temporarily.

(d) Place other wedge into bottom space and remove the cover paper to stick.

(e) Tilt front of the yoke right or left obtain better convergence in circumference. (See Fig. 22.)

(f) Hold the yoke position and put another wedge in either upper space. Remove cover paper and stick the wedge on picture tube to hold the yoke.

(g) Detach the temporarily mounted wedge and put it in anothe upper space. Stick it on picture tube to fix the yoke.

(h) After placing three wedges, recheck over all convergence. Tighten the screw firmly to hold the yoke tightly in place.

(i) Stick 3 grass cloth tapes on wedges as shown in Figure 20.

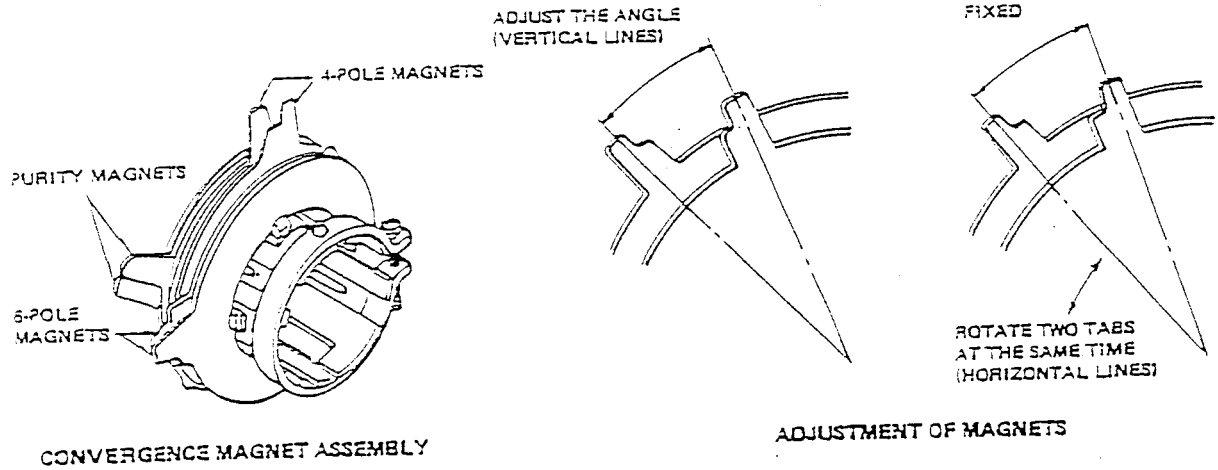


Fig. 21.

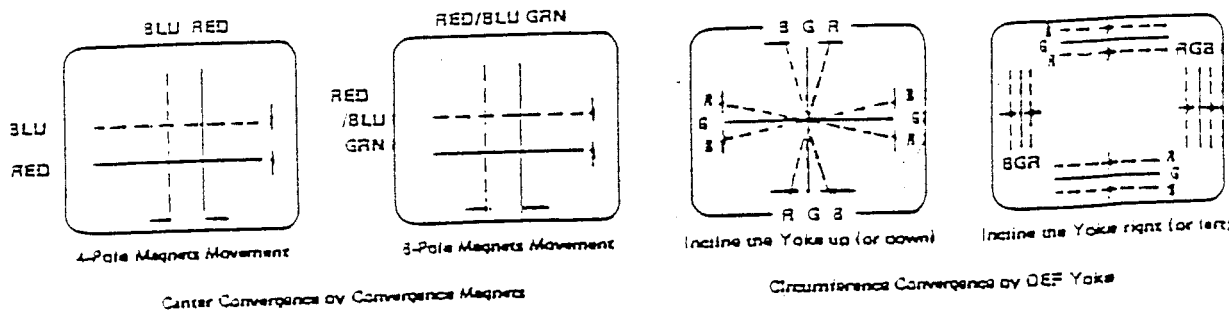
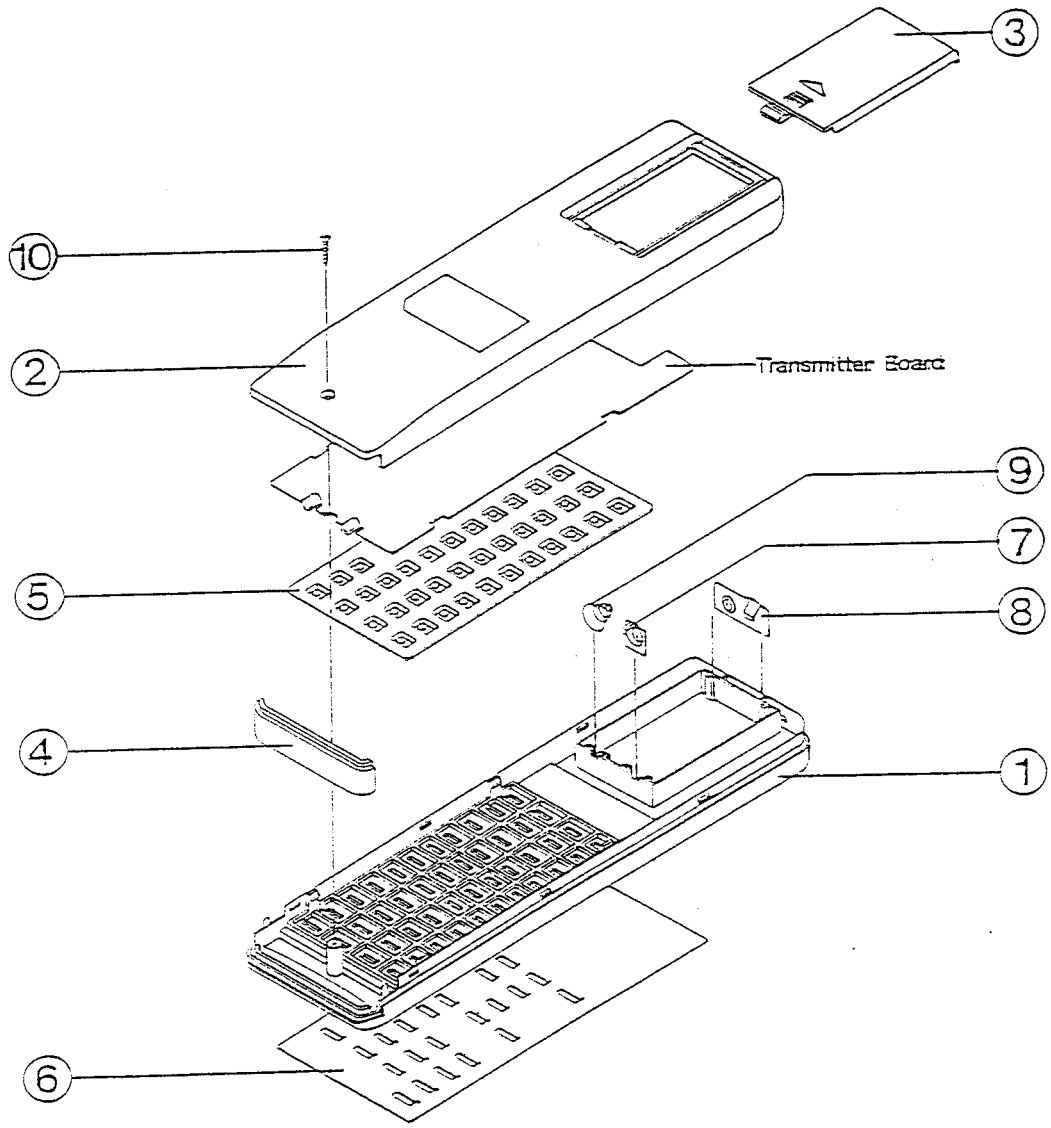


Fig. 22. Dot Movement Pattern

REMOTE CONTROL UNIT

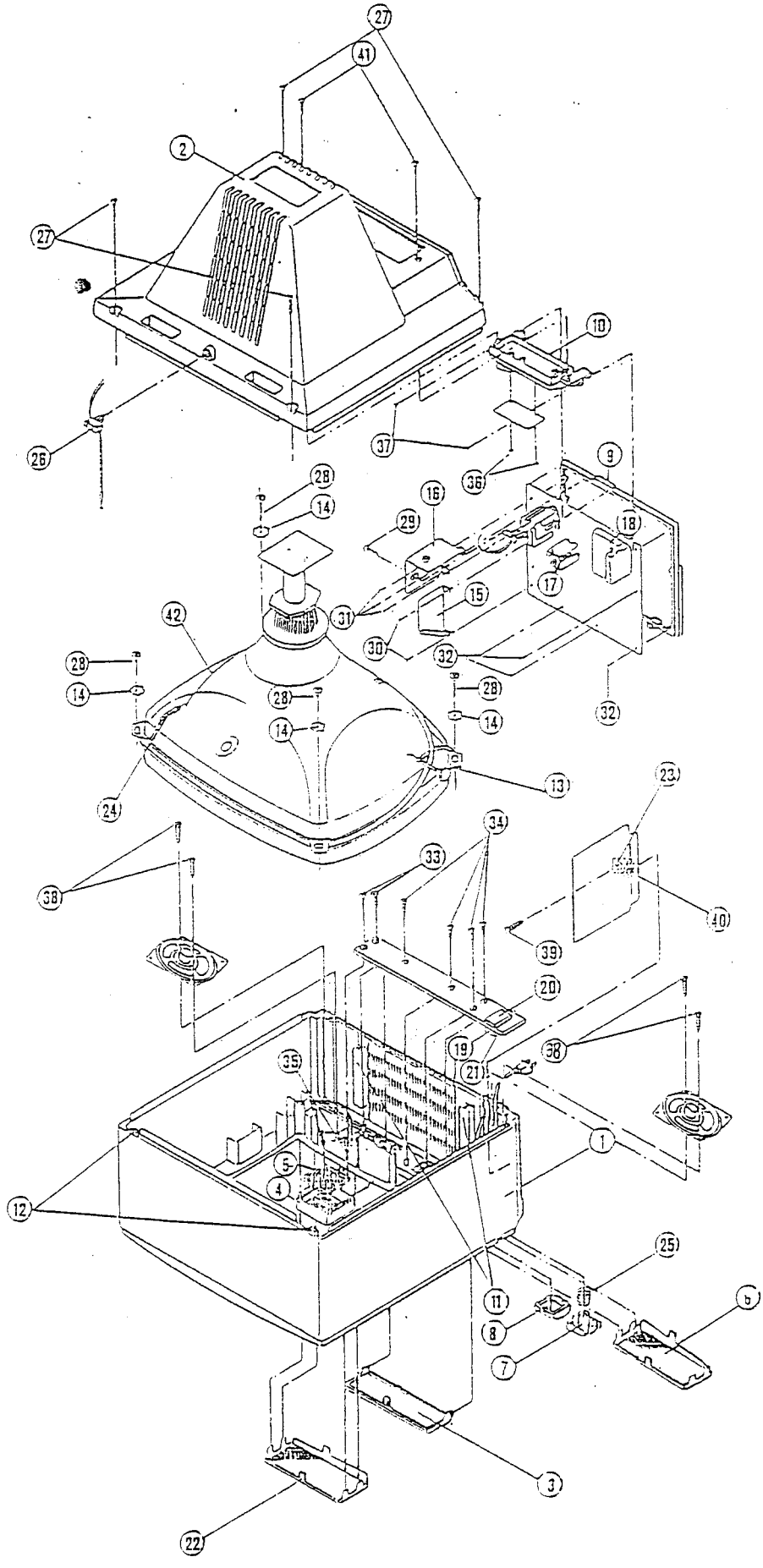


MECHANICAL PART LIST

ITEM	PART NO.	DESCRIPTION
1.	A01-A0193-02	TOP CABINET
2.	A01-A0194-01	BOTTOM CABINET
3.	A01-A0195-01	BATTERY DOOR
4.	A01-A0196-00	INFRARED LENS
5.	300-A0087-00	RUBBER CONTACT PLATE

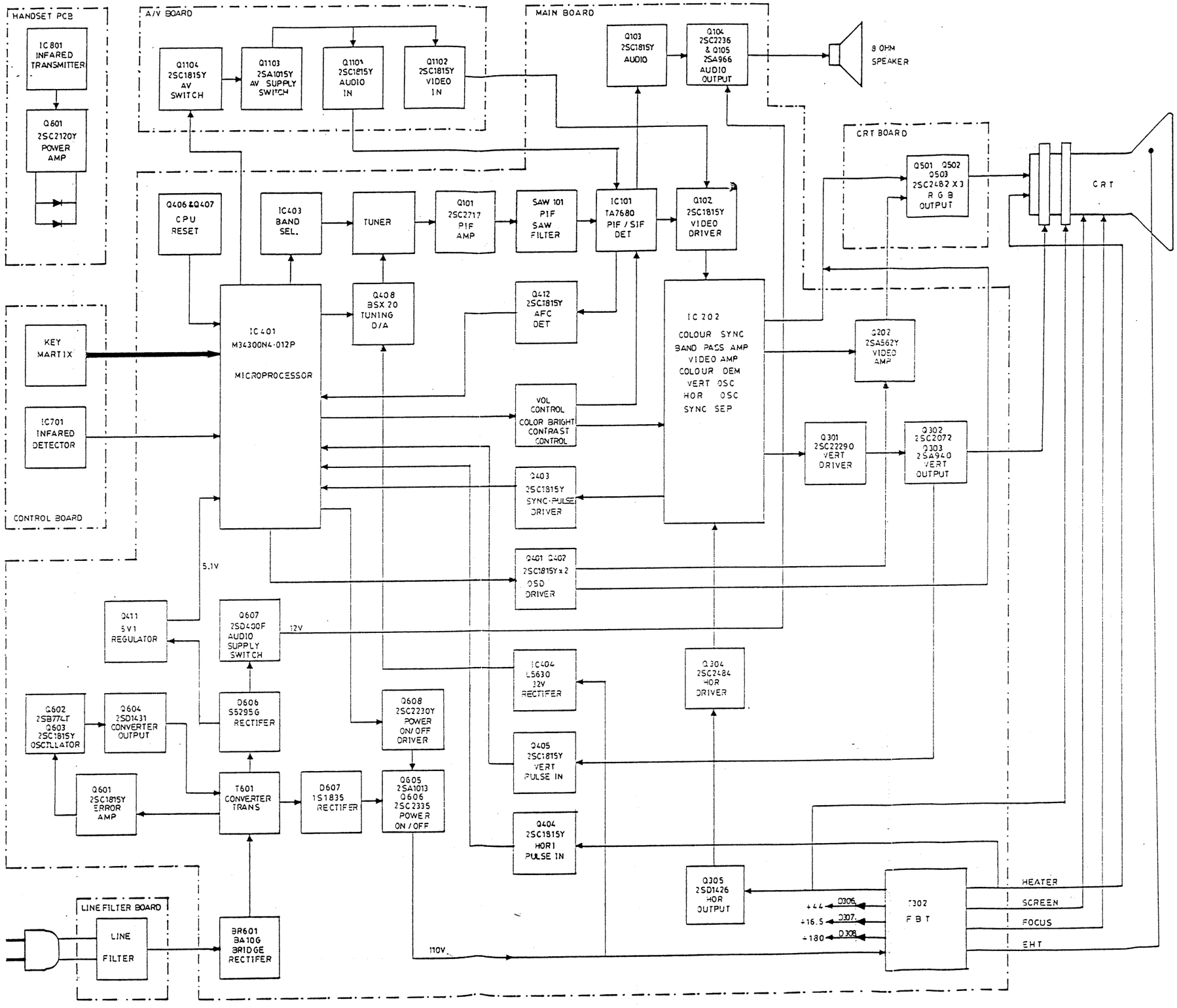
ITEM	PART NO.	DESCRIPTION
6.	000-A0115-00	HANDSET INLAY
7.	300-A0025-00	BATTERY CONTACT PLATE (–)
8.	300-A0024-00	BATTERY CONTACT PLATE (+/—)
9.	300-A0009-00	BATTERY CONTACT SPRING (—)
10.	M3P-T2601-08	SCREW T2.6 x 8 P/H (–)

EXPLODED VIEW OF MAIN UNIT



MECHANICAL PARTS LIST FOR MAIN UNIT

ITEM	PART NO.	DESCRIPTION
1	A10-B0139-05	FRONT CABINET - ANTHRACITE BLACK SPRAY
2	A10-A0140-01	BACK CABINET - BLACK MOULDED
3	A01-A0147-02	CONTROL COMPARTMENT DOOR - ANTHRACITE BLACK SPRAY
4	A10-A0219-01	CONTROL PANEL - ANTHRACITE BLACK SPRAY, W/SILKSCREEN
5	A01-A0220-00	FUNCTION BUTTON - BLACK MOULDED
6	B00-A0062-01	SPEAKER GRILLE "RIGHT" (1.1 DIA HOLE)
7	A10-A0217-00	POWER KNOB - BLACK MOULDED
8	A10-A0218-00	INFRARED LENS
9	A03-B0111-00	CHASSIS BRACKET - BLACK MOULDED
10	A03-B0135-00	JACK PLATE - BLACK MOULDED
11	A01-A0142-00	CHASSIS HOLDER
12	A01-A0143-00	CABINET MTG. HOLDER - BLACK MOULDED
13	A04-A0115-00	CABLE TIE L=12"
14	B00-A0051-00	METAL WASHER (FOR CRT MTG.)
15	B01-A0061-00	HEAT SINK BRACKET FOR POWER
16	B01-A0006-00	HEAT SINK FOR HORIZONTAL AMP.
17	B01-A0007-00	HEAT SINK TRANSISTOR
18	B01-A0008-00	PIF SHIELDING COVER
19	B00-A0067-00	SHIELD CAN "A"
20	B00-A0065-00	SHIELD CAN "B"
21	B00-A0066-00	SHIELD CAN "C"
22	B00-A0063-01	SPEAKER GRILLE "LEFT" (1.1 DIA. HOLE)
23	B00-A0068-00	LINE FILTER BOARD MTG. BKT.
24	E00-A0001-00	GROUNDING WIRE SPRING DIA.7X14 FOR TWISTED WIRE
25	E00-A0011-00	POWER KNOB SPRING
26	F01-A0005-01	INDOOR ANTENNA - SINGLE TYPE
27	M3B-T4001-20	T4X20 B/H (+) FOR BACK/FRONT CAB. MTG. "BLACK"
28	M1H-T6001-40	T6X40 H/H (+) FOR CRT/FRONT CAB. MTG.
29	M1B-T4001-10	T4X10 B/H (+) FOR HEAT SINK/FLYBACK TRANS. MTG.
30	M1P-T3001-12	T3X12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG.
31	M1P-T3001-12	T3X12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG.
32	M1P-T3001-08	T3X8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG.
33	M1B-T2600-10	T2.6X10 B/H (+) FOR CONTROL P.C.B./FRONT CAB. MTG.
34	M1B-T2600-06	T2.6X6 B/H (+) FOR CONTROL P.C.B./FRONT CAB. MTG.
35	M1B-T2600-08	T2.6X8 B/H (+) FOR PUSH BUTTON/FRONT CAB. MTG.
36	M1B-T3001-08	T3X8 B/H (+) FOR AV BOARD/JACK PLATE MTG.
37	M1B-T3001-12	T3X12 B/H (+) FOR JACK PLATE/P.C.B./CHASSIS BKT. MTG.
38	M1W-T3001-06	T3X6 W/H (+) FOR SPEAKER/FRONT CAB. MTG.
39	M1B-T3001-06	T3X6 B/H (+) FOR LINE FILTER BOARD MTG. BKT/FRONT CAB. MTG.
40	M1P-T3001-06	T3X6 P/H (-) FOR LINE FILTER BOARD/LINE FILTER BOARD MTG. BKT. MTG.
41	M3B-M3050-10	M3X10 B/H (+) FOR BACK CAB./JACK PLATE MTG. 'BLACK'
42	P01-01125-01	TWISTED WIRE L=1250MM


HANDSET PCB
IC 801 INFARED TRANSMITTER
Q601 2SC2120Y POWER AMP
A/V BOARD
Q1104 2SC1815Y AV SWITCH
Q1103 2SA1015Y AV SUPPLY SWITCH
Q1101 2SC1815Y AUDIO IN
Q1102 2SC1815Y VIDEO IN
MAIN BOARD
Q103 2SC1815Y AUDIO
Q104 2SC2236 & Q105 2SA966 AUDIO OUTPUT
8 OHM SPEAKER
CRT BOARD
Q501 Q502 Q503 2SC2482 X3 R G B OUTPUT
CRT
Q406 & Q407 CPU RESET
IC403 BAND SEL.
TUNER
Q101 2SC2717 PIF AMP
SAW 101 PIF SAW FILTER
IC101 TA7680 PIF / SIF DET
Q102 2SC1815Y VIDEO DRIVER
KEY MARTIX
IC701 INFARED DETECTOR
CONTROL BOARD
IC401 M34300N4-012P MICROPROCESSOR
Q408 BSX 20 TUNING D/A
Q412 2SC1815Y AFC DET
IC 202 COLOUR SYNC BAND PASS AMP VIDEO AMP COLOUR DEM VERT OSC HOR OSC SYNC SEP
Q202 2SA562Y VIDEO AMP
VOL CONTROL COLOR BRIGHT CONTRAST CONTROL
Q301 2SC22290 VERT DRIVER
Q302 2SC2072 Q303 2SA940 VERT OUTPUT
Q403 2SC1815Y SYNC PULSE DRIVER
5.1V
Q401 Q402 2SC1815Y x 2 OSD DRIVER
Q411 5V1 REGULATOR
Q607 2SD400F AUDIO SUPPLY SWITCH
12V
IC404 L5630 32V RECTIFER
Q304 2SC2484 HOR DRIVER
Q602 2SB774T Q603 2SC1815Y OSCILLATOR
Q604 2SD1431 CONVERTER OUTPUT
D606 S5295G RECTIFER
Q608 2SC2230Y POWER ON/OFF DRIVER
Q405 2SC1815Y VERT PULSE IN
Q601 2SC1815Y ERROR AMP
T601 CONVERTER TRANS
D607 1S1835 RECTIFER
Q605 2SA1013 Q606 2SC2335 POWER ON / OFF
Q404 2SC1815Y HOR1 PULSE IN
Q305 2SD1426 HOR OUTPUT
T302 F B T
+44
+16.5
+180
D306
D307
D308
HEATER
SCREEN
FOCUS
EHT
LINE FILTER BOARD
LINE FILTER
BR601 BA10G BRIDGE RECTIFER
110V

GR/ GRZ/ GRH

G01-A6414-02

G01-A919H-0C

G01-B849E-0D

SERVICE PRECAUTION The area enclosed by this line (- - - -) is directly connected with AC main voltage When servicing this area connect isolating transformer between TV receiver and AC line to eliminate hazard of electric shock

MODEL	P.C.B. No.
T-845	G01-A849C-0C
T-1041	G01-A641C-0*, -0F
T-1042 T-1045	G01-A940C-01
T-3646	G01-A646C-01

G01-A919H-0(

G01-A709B-20

IC 201
001-02420-00

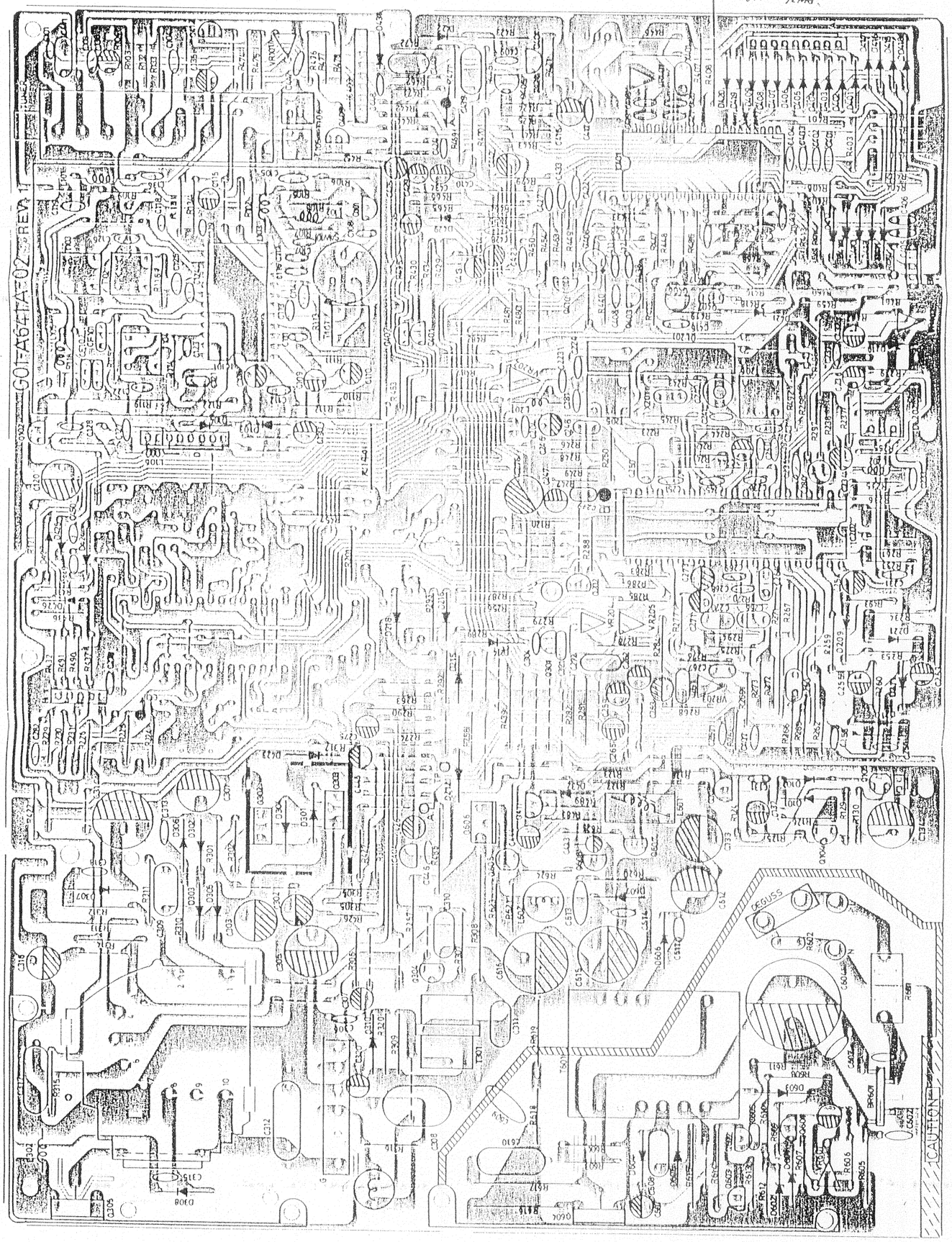
IC 101
001-02420-00

N. The area enclosed by this line (——) is directly connected with AC Main voltage. When servicing this area connect isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

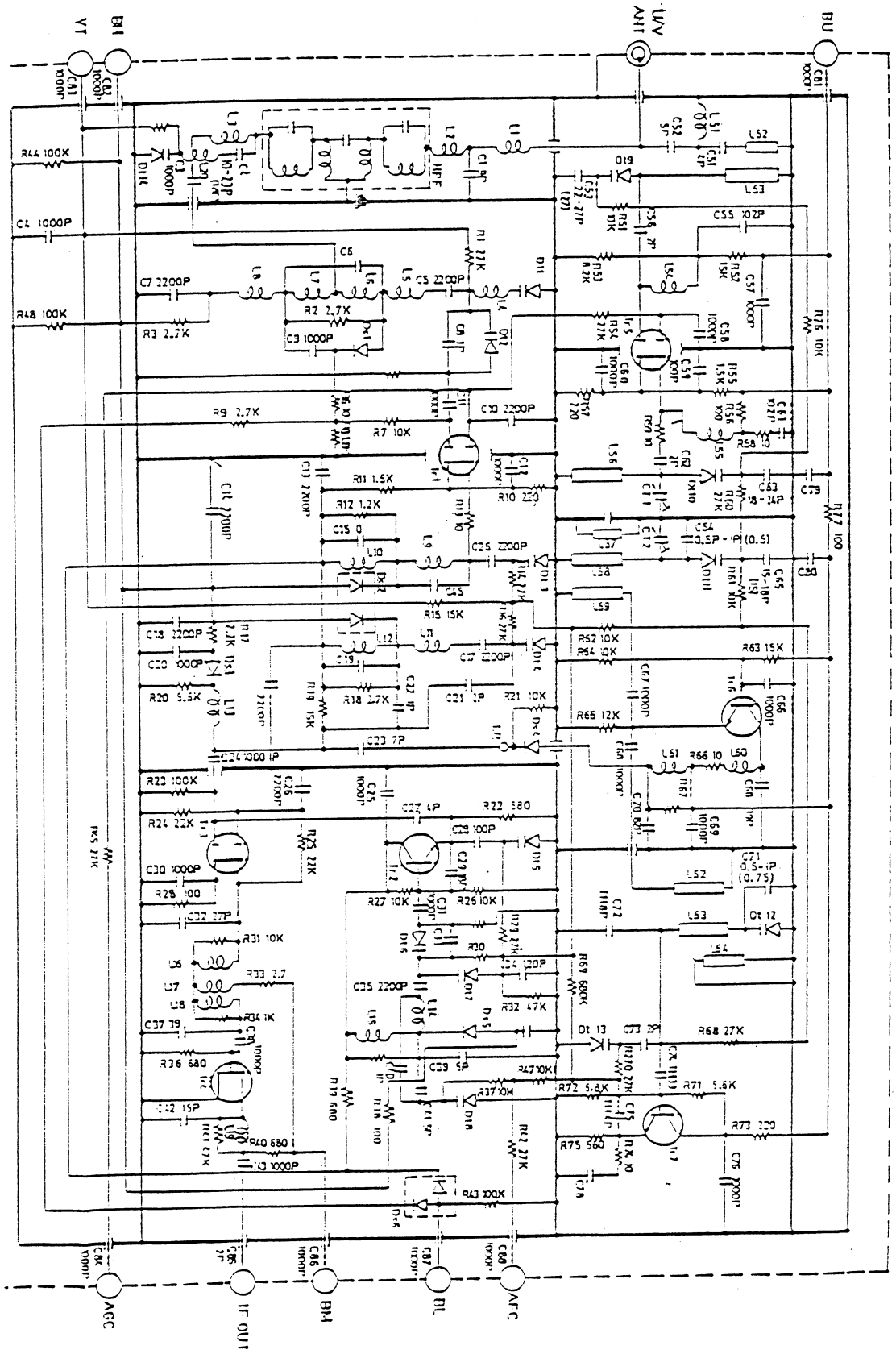
RE : Δ FOR FTZ VERSION
( ) VALUE FOR NON FTZ VERSION
* FOR 21" ONLY

FOCUS

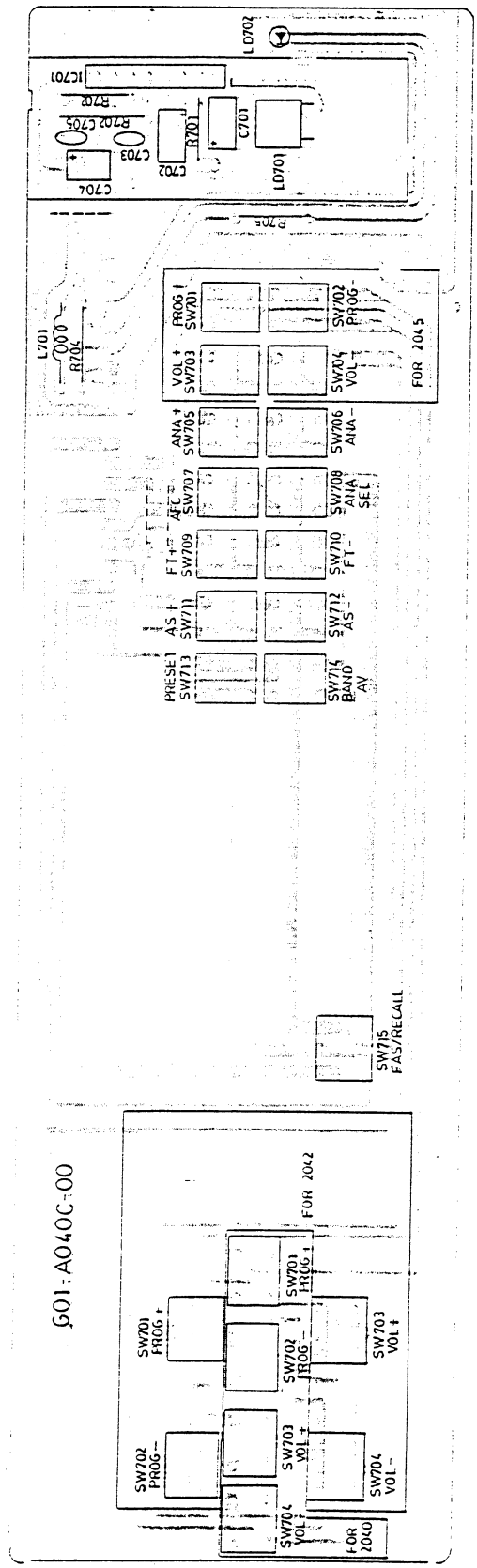
SCREEN


G01FA641A-02 REV.1
PIN26 ← R497
PIN27 ← R498
PIN28 ← R499
OF IC 401
DEGUSS
CAUTION

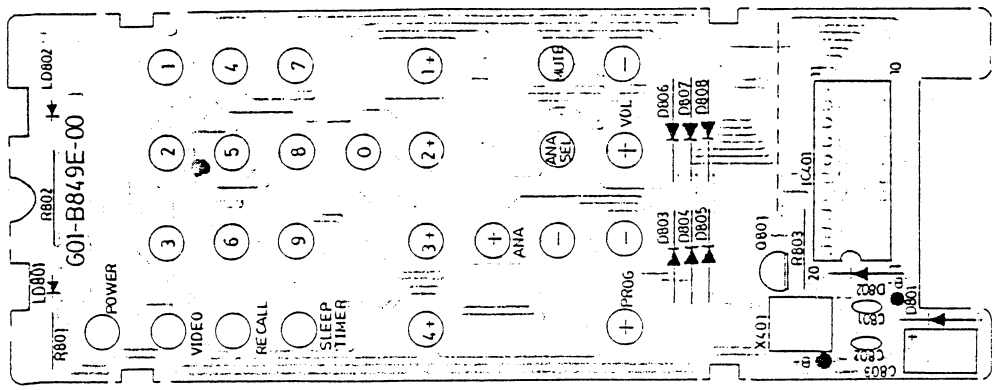
TUNER CIRCUIT



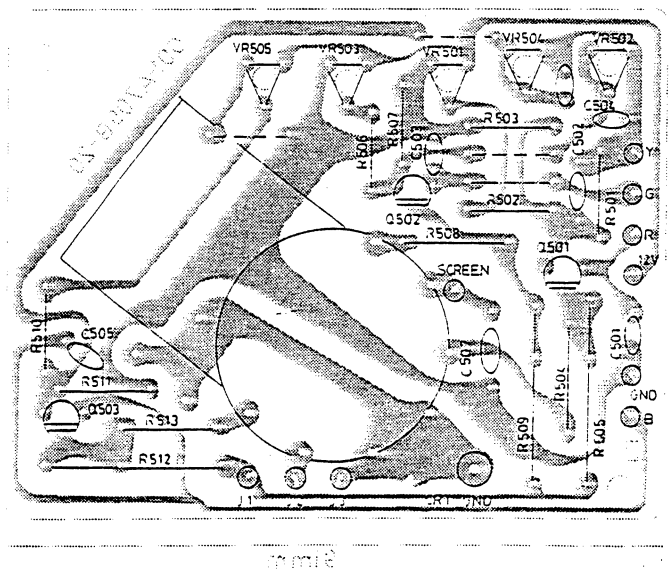
COPPER SIDE OF CONTROL P.C. BOARD



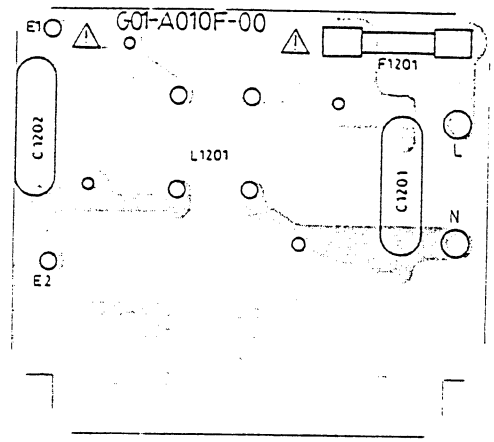
COPPER SIDE OF HANDSET P.C. BOARD



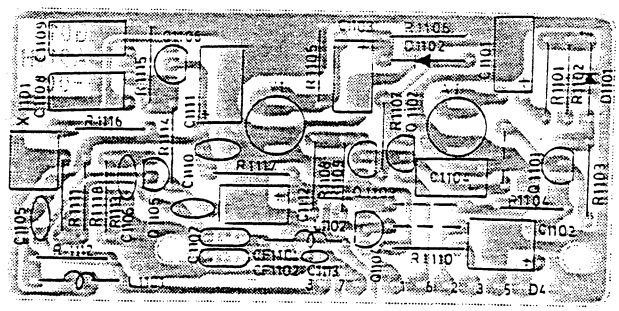
COPPER SIDE OF CRT P.C. BOARD



TOP SIDE OF AC LINE FILTER BOARD



COMPONENT VIEW OF CRT P.C. BOARD



BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(H/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
	ELECTRICAL ASSEMBLY		
	CHASSIS ASSEMBLY AC230V 50Hz		
	PAL B/G SYSTEM		
	VHF CH2 - CH12		
	UHF CH21 - CH69		
	CATV S1 - S3, S1 - S20		
	*** MAIN P.C.B. ASSEMBLY ***		
	TRANSISTOR		
A01-0717A-00	2SC2717	1	Q101
A01-0815E-00	2SC1815-Y	13	Q102,103,401,402,403,404,405,406,407,409,412,601, Q603
A01-0229D-00	2SC2229-O	1	Q301
A01-A562E-00	2SA562-TMY	1	Q202
A01-0073D-00	2SC2073	1	Q302
A01-A940D-00	2SA940	1	Q303
A01-0482D-00	2SC2482	1	Q304
A01-D426A-00	2SD1426	1	Q305
A01-8774D-00	2SB774-T	1	Q602
A01-D431A-00	2SD1431	1	Q604
A01-0230E-00	2SC2230-AY	1	Q608
A03-D400F-00	2SD400F	2	Q411,607
A01-A013E-00	2SA1013Y	1	Q605
A02-0335C-00	2SC2335	1	Q606
A01-0236D-00	2SC2236-O	1	Q104
A01-A966D-00	2SA966-O	1	Q105
A01-A015E-00	2SA1015Y	1	Q410
A06-8002D-00	BSX20	1	Q408
	DIODE		
B01-01148-00	1N4148	35	D101,102,103,104,211,212,221,401,402,403,404,405, D406,407,408,409,410,411,412,413,414,415,417,418, D419,420,422,423,424,425,426,427,429,431,433
B01-01555-00	1S1555	8	D209,210,214,215,216,218,301,304
B01-02529-00	SS295G ALTERNATE BYT52K(B08-02052-01)	6	D307,308,603,604,605,606
B01-02529-01	SS295J ALTERNATE BYT52K(B08-02052-01)	1	D306
B01-02835-00	1S1835 ALTERNATE BYT52K(B08-02052-01)	1	D607
B01-02002-00	TVR-2D	3	D302,303,310
B01-01010-00	D8A10G	1	BR601
B01-01004-00	1N4004S	1	D305
B01-04120-00	12 V ZENER (GZA 12Y)	1	D219
B01-04082-00	8.2V ZENER (GZA 8.2Y)	1	D601
B01-04090-00	9.1V ZENER (GZA 9.1Y)	1	D602
B01-04039-00	3.9V ZENER (UZ 3.9B)	1	D421
B01-04056-00	5.6V ZENER (GZA 5.6Y)	1	D432
	SEMI-FIXED RESISTOR		
C01-81038-80	1K8 MATRIX	1	VR202

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
C01-35038-30	5KB AGC, SUB-BRIGHT	2	VR101,402
C01-81048-30	10KB V-HEIGHT	1	VR205
C01-82058-80	200KB V-HOLD	1	VR204
C04-35038-30	5KB DOS (NO ALTERNATE SOURCE)	1	VR401
C04-81048-30	10KB H-HOLD (NO ALTERNATE SOURCE)	1	VR203
C04-81038-80	1KB B+ (NO ALTERNATE SOURCE)	1	VR601
	CARBON FILM RESISTOR +/-5% 1/4W		
D01-A010C-D0	1 OHM	2	R129,130
D01-A100C-D0	10 OHM	1	R123
D01-A270C-D0	27 OHM	1	R108
D01-A330C-D0	33 OHM	1	R294
D01-A470C-D0	47 OHM	1	R309
D01-A680C-D0	68 OHM	1	R268
D01-A820C-D0	82 OHM	1	R270
D01-A101C-D0	100 OHM	10	R102,401,402,403,404,405,406,428,433,492
D01-A221C-D0	220 OHM	3	R109,431,436
D01-A241C-D0	240 OHM	1	R242
D01-A331C-D0	330 OHM	3	R117,285,611
D01-A391C-D0	390 OHM	3	R236,432,437
D01-A471C-D0	470 OHM	5	R107,110,223,286,287
D01-A561C-D0	560 OHM	9	R125,126,245,259,424,425,229,230,251
D01-A681C-D0	680 OHM	7	R246,247,625,243,452,490,491
D01-A821C-D0	820 OHM	3	R233,244,266
D01-A102C-D0	1 KOHM	14	R106,115,118,120,235,282,293,420,421,433,455,486, R474,493
D01-A152C-D0	1.5 KOHM	6	R237,241,255,422,427,473
D01-A182C-D0	1.8 KOHM	2	R275,608
D01-A222C-D0	2.2 KOHM	7	R111,113,119,123,201,261,481
D01-A242C-D0	2.4 KOHM	1	R276
D01-A272C-D0	2.7 KOHM	7	R127,479,621,224,225,226,440
D01-A302C-D0	3 KOHM	1	R607
D01-A332C-D0	3.3 KOHM	2	R269,483
D01-A362C-D0	3.6 KOHM	3	R267,268,284
D01-A392C-D0	3.9 KOHM	2	R467,116
D01-A472C-D0	4.7 KOHM	3	R131,495,613
D01-A562C-D0	5.6 KOHM	6	R105,122,297,317,453,454
D01-A682C-D0	6.8 KOHM	5	R426,439,482,606,612
D01-A822C-D0	8.2 KOHM	3	R114,265,609
D01-A103C-D0	10 KOHM	16	R320,415,416,418,419,423,441,443,445,446,447,448, R449,484,487,610
D01-A123C-D0	12 KOHM	1	R457
D01-A153C-D0	15 KOHM	1	R283
D01-A183C-D0	18 KOHM	1	R462
D01-A203C-D0	20 KOHM	1	R124
D01-A223C-D0	22 KOHM	13	R274,281,407,408,409,410,411,412,413,414,497,498, R499
D01-A243C-D0	24 KOHM	1	R305
D01-A333C-D0	33 KOHM	15	R248,249,264,417,429,434,442,444,468,469,470,471, R303,459,472

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
D01-A363C-D0	36 KOHM	2	R271,461
D01-A393C-D0	39 KOHM	3	R278,430,435
D01-A473C-D0	47 KOHM	6	R132,133,158,253,463,465
D01-A563C-D0	56 KOHM	4	R103,140,262,304
D01-A683C-D0	68 KOHM	2	R466,480
D01-A823C-D0	82 KOHM	1	R250
D01-A104C-D0	100 KOHM	4	R234,238,263,464
D01-A124C-D0	120 KOHM	1	R104
D01-A224C-D0	220 KOHM	1	R450
D01-A244C-D0	240 KOHM	2	R277,279
D01-A334C-D0	330 KOHM	2	R239,460
D01-A394C-D0	390 KOHM	1	R134
D01-A564C-D0	560 KOHM	1	R260
D01-A824C-D0	820 KOHM	2	R112,298
D01-A565C-D0	5.6 MOHM	4	R475,476,477,478
	CARBON FILM RESISTOR +/-5% 1/2W		
D01-A470C-F0	47 OHM	1	R489
D01-A471C-F0	470 OHM	1	R289
D01-A272C-F0	2.7 KOHM	1	R307
D01-A822C-F0	8.2 KOHM	1	R290
D01-A103C-F0	10 KOHM	1	R315
D01-A104C-F0	100 KOHM	2	R623,624
D01-A124C-F0	120 KOHM	1	R314
	METAL FILM RESISTOR		
D00-C153B-D0	15 KOHM +/-2% 1/4W	1	R272
D00-C154B-D0	150 KOHM +/-2% 1/4W	1	R273
	METAL OXIDE RESISTOR		
D04-D561C-F0	560 OHM +/-5% 1/2W	1	R258
D04-D821C-F0	820 OHM +/-5% 1/2W	2	R301,302
D04-D222C-F0	2.2 KOHM +/-5% 1/2W	1	R292
D04-D027C-G0	2.7 OHM +/-5% 1W	1	R306
D04-D100C-G0	10 OHM +/-5% 1W	1	R311
D04-D390C-G0	39 OHM +/-5% 1W	2	R121,256
D04-D003C-H0	0.33 OHM +/-5% 2W	1	R616
D04-D120C-H0	12 OHM +/-5% 2W	2	R614,620
D04-D270C-H0	27 OHM +/-5% 2W	1	R615
D04-D822C-H0	8.2 KOHM +/-5% 2W	1	R257
D01-D153C-H0	15 KOHM +/-5% 2W	1	R485
D04-D222C-I0	2.2 KOHM +/-5% 3W	1	R308
	FUSIBLE RESISTOR		
D03-E100C-G0	10 OHM +/-5% 1W	1	R310
D03-E043C-G0	4.3 OHM +/-5% 1W	1	R312
	NON-INFLAMMABLE RESISTOR		

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
D03-G040D-J0	4 OHM +/-10% 5W KW-SQZ	1	R601
D03-G022D-H0	2.2 OHM +/-10% 2W KW-KNP	2	R313,605
D03-G390D-K0	39 OHM +/-10% 6W KW-KNP	1	R617
D06-H300Z-00	P.T.C. THERMISTOR	1	R602
	CARBON COMPOSITION RESISTOR		
D05-B565D-F0	5.6 MOHM +/-10% 1/2W	2	R618,619
D05-B184D-F0	180 KOHM +/-10% 1/2W	2	R603,604
E04-B200A-00	TRIMMER CAPACITOR 20PF	1	C242
	CERAMIC CAPACITOR		
F01-C020F-A0	2PF 50V +/-0.25PF	2	C124,125
F01-C050F-C0	5PF 50V +/-5%	1	C235
F01-C100F-C0	10PF 50V +/-5%	1	C241
F01-C150F-C0	15PF 50V +/-5%	4	C126,224,231,418
F01-C270F-C0	27PF 50V +/-5%	1	C257
F01-C300F-C0	30PF 50V +/-5%	2	C420,421
F01-C470F-C0	47PF 50V +/-5%	4	C127,128,243,437
F01-C560F-C0	56PF 50V +/-5%	3	C281,436,438
F01-C680F-C0	68PF 50V +/-5%	3	C245,449,450
F01-C390F-C0	39PF 50V +/-5%	2	C239,419
F01-C101F-C0	100PF 50V +/-5%	2	C411,412
F01-C151F-C0	150PF 50V +/-5%	1	C424
F01-C221F-C0	220PF 50V +/-5%	5	C233,422,427,430,433
F01-C331F-C0	330PF 50V +/-5%	2	C408,409
F01-C391F-C0	390PF 50V +/-5%	1	C407
F01-C471F-C0	470PF 50V +/-5%	1	C410
F01-C561F-C0	560PF 50V +/-5%	9	C258,401,402,403,404,405,406,447,131
F01-C103F-S0	0.01UF 50V +80-20%	20	C105,107,111,112,113,116,117,118,122,129,223,237, C238,240,251,256,268,278,432,448
F01-C104F-Z0	0.1UF 50V +80-20%	2	C136,428
F01-C203F-S0	0.02UF 50V +80-20%	6	C101,103,104,119,417,446
F01-C102F-D0	1000PF 50V +/-10%	4	C108,114,269,415
F05-C221N-D0	220PF 500V +/-10%	5	C304,313,315,318,611
F05-C472N-D0	0.0047UF 500V +/-10%	3	C306,601,602
F05-C222D-D0	0.0022UF 1KV +/-10%	1	C614
F05-C472D-D0	0.0047UF 1KV +/-10%	2	C603,613
F05-C222W-E0	AC CAPACITOR 0.0022UF AC400V +/-20%	1	C609
	POLYESTER FILM CAPACITOR		
F11-M103H-D0	0.01UF 100V +/-10%	1	C250
F11-M223H-D0	0.022UF 100V +/-10%	2	C248,249
F11-M333H-D0	0.033UF 100V +/-10%	2	C267,605
F11-M104H-D0	0.1UF 100V +/-10%	4	C439,440,441,608
F11-M224H-D0	0.22UF 100V +/-10%	1	C272
F11-M153H-D0	0.015UF 100V +/-10%	1	C270
F11-M472H-D0	0.0047UF 100V +/-10%	1	C121

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
F11-M202H-D0	0.002UF 100V +/-10%	1	C321
	POLYPROPYLENE FILM CAPACITOR (S TYPE)		
F08-D152F-C0	0.0015UF 50V +/-5%	1	C260
F08-D562F-C0	0.0056UF 50V +/-5%	1	C261
F08-D302F-C0	0.003UF 50V +/-5%	1	C266
F08-D103F-C0	0.01UF 50V +/-5%	1	C264
	POLYPORPYLENE FILM CAPACITOR		
F08-P222M-D0	0.0022UF 630V +/-10%	1	C310
F08-P153K-D0	0.015UF 200V +/-10%	1	C309
F08-P473K-D0	0.047UF 200V +/-10%	1	C311
F08-P563K-D0	0.056UF 200V +/-10%	1	C317
F08-P474K-D0	0.47UF 200V +/-10%	1	C308
F08-P862P-C0	0.0086UF 1.6KV +/-5%	1	C312
F08-P222D-D0	0.0022UF 1200V /-10%	1	C610
	T-C CERAMIC CAPACITOR		
F01-L680F-C0	68PF 50V +/-5%	1	C123
	ELECTROLYTIC CAPACITOR (SINGLE ENDED TYPE)		
F01-E107B-E0	100UF 10V +/-20%	1	C416
F01-E106C-E0	10UF 16V +/-20%	6	C110,135,246,247,259,444
F01-E476C-E0	47UF 16V +/-20%	2	C132,253
F01-E107C-E0	100UF 16V +/-20%	1	C435
F01-E227C-E0	220UF 16V +/-20%	1	C134
F01-E477C-E0	470UF 16V +/-20%	1	C276
F01-E108C-E0	1000UF 16V +/-20%	2	C120,133
F01-E475D-E0	4.7UF 25V +/-20%	3	C425,434,443
F01-E476D-E0	47UF 25V +/-20%	1	C607
F01-E227D-E0	220UF 25V +/-20%	1	C612
F01-E108D-E0	1000UF 25V +/-20%	1	C314
F01-E225F-D0	2.2UF 50V +/-10%	1	C273
F01-E224F-E0	0.22UF 50V +/-20%	2	C106,442
F01-E474F-E0	0.47UF 50V +/-20%	4	C244,265,271,275
F01-E105F-E0	1UF 50V +/-20%	14	C109,130,138,234,236,254,255,262,263,413,414,426,C432,445
F01-E225F-E0	2.2UF 50V +/-20%	3	C115,307,429
F01-N225F-E0	2.2UF 50V N.P. +/-20%	1	C280
F01-E106F-E0	10UF 50V +/-20%	2	C302,306
F01-E107F-E0	100UF 50V +/-20%	1	C301
F01-E227F-E0	220UF 50V +/-20%	1	C305
F01-E106H-F0	10UF 100V +/-20%	1	C316
F01-E105I-E0	1UF 160V +/-20%	1	C320
F01-E475I-F0	4.7UF 160V +50-10%	1	C303
F01-E476I-F0	47UF 160V +50-10%	1	C615
F01-E107I-F0	100UF 160V +50-10%	1	C616

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
F01-E107M-F0	100UF 400V +50-10%	1	C604
G01-A641A-02	MAIN P.C. BOARD 291MM X 219MM X 1.6MM	1	PCB001
H05-01010-00	PEAKING COIL 1UH	1	L102
H05-01082-00	PEAKING COIL 8.2UH	1	L201
H05-01150-00	PEAKING COIL 15UH	2	L105,106
H05-01330-00	PEAKING COIL 33UH	1	L202
H05-01101-00	PEAKING COIL 100UH	1	L101
H13-0203A-00	CHOKE COIL 1UH	1	L302
H02-0101A-00	CHOKE COIL 90UH	1	L602
H02-1031A-00	CHOKE COIL 5UH	1	L601
H01-1301A-00	PIF MATCHING COIL	1	T101
H01-1302A-00	PIF DET COIL	2	T102,103
H01-1303A-00	SIF DET COIL	1	T104
H01-1401A-00	DELAY LINE MATCHING COIL	1	T205
H01-1402A-00	BURST CLEANING COIL	1	T206
H01-1801A-00	7MM TRAP COIL	2	T105,106
H01-0701A-01	Y-DELAY LINE	1	DL202
I01-0401A-00	HORIZONTAL DRIVE TRANSFORMER	1	T301
I12-0502A-00	FLYBACK TRANSFORMER CF68A ALTERNATE XFS-60506 (I09-0502A-00)	1	T302
I07-0601A-00	SWITCHING TRANSFORMER ALTERNATE(I08-0601A-00)	1	T601
	TAIKO TL-25 V-TYPE CONNECTOR		
J05-0102A-00	2 PINS WAFER TL-25P-02-V1	1	SOCKET C
J05-0104A-00	4 PINS WAFER TL-25P-04-V1	1	SOCKET B
J05-0106A-00	6 PINS WAFER TL-25P-06-V1	1	SOCKET D
J05-0109A-00	9 PINS WAFER TL-25P-09-V1	1	SOCKET A
J03-0401A-00	SMK M-1 CONNECTOR WAFER 1 PIN	1	SOCKET Y
J03-0406A-00	SMK M-1 CONNECTOR WAFER 6 PINS	1	SOCKET G
J05-01010-00	TAIKO TS-80 CONNECTOR	4	FOR AC IN, DEGAUSSING COIL
M07-A4434-00	CRYSTAL 4.43361875MHz	1	X201
M02-A4004-00	CRYSTAL 4.00 MHZ ALTERNATE : CERAMIC RESONATOR 4MHz CSA4.00MG(M01-A4004-00)	1	X401
N02-04801-00	TUNER B/G + CATV (2700KKC-3X0861)	1	
	INTEGRATED CIRCUIT		
001-01240-00	TA7680AP	1	IC101
001-02420-00	TA7698AP	1	IC202
007-06020-00	LS630 ALTERNATE KA33V (011-06020-00)	1	IC404
004-02420-00	M34300N4-012SP	1	IC401
007-02090-00	LA7910	1	IC403
X02-01001-00	CERAMIC FILTER SFE5.5 MHZ	1	CF101

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
X02-02001-00	CERAMIC FILTER TPS5.5 MHZ	1	CF102
X01-03002-00	TV PIF SAW FILTER F1037C	1	SAW101
Y02-01401-01	ULTRASONIC DELAY LINE	1	DL201
	ALTERNATE (Y03-01401-01) GLASS DELAY LINE		
	OR EFD-END-EN645A11G (6704-030200-00)		
	SINGLE JUMPER WIRE AWG22		
	(L2/L3 : 5MM X 2 NON TINNED)		
S02-81512-EA	150MM RED	1	B
S02-82017-EA	200MM VIOLET	1	A
	STRAND JUMPER WIRE AWG26 (UL1007)		
S00-06001-IA	60MM BROWN	1	C
S00-04000-IA	40MM BLACK	1	
V06-20001-00	BRASS PIN	1	
	*** CRT P.C.B. ASSEMBLY ***		
	TRANSISTOR		
A01-0482D-00	2SC2482	3	Q501,502,503
	SEMI-FIXED RESISTOR		
C01-32028-B0	200B (RVF6P51A-5-201N) B.G. - DRIVE	2	VR502,504
C01-31048-B0	10KB (RVF6P51A-5-103N) R.G.B. - CUT OFF	3	VR501,503,505
	CARBON FILM RESISTOR 1/4W +/-5%		
D01-A151C-00	150 OHM	1	R501
D01-A152C-00	1.5 KOHM	3	R502,506,510
D01-A472C-00	4.7 KOHM	3	R503,507,511
	CARBON COMPOSITION RESISTOR 1/2W +/-10%		
D05-B472C-F0	4.7 KOHM	3	R504,508,513
	METAL OXIDE RESISTOR		
D04-0153C-H0	15 KOHM 2W +/-5%	3	R505,509,512
	CERAMIC CAPACITOR		
F01-C181F-C0	180PF 50V +/-5%	3	CS01,503,505
F01-CS61F-D0	560PF 50V +/-5%	1	CS02
F01-C471F-D0	470PF 50V +/-5%	1	CS04
F01-C103F-G0	0.01UF 50V +80-20%	2	CS08,509
F01-C102F-D0	.001UF 50V +/-10%	1	CS06
F05-C472D-D0	.0047UF 1KV +/-10%	1	CS07
G01-A4218-20	CRT PCB	1	PC8002
V01-05291-00	PICTURE TUBE SOCKET(29.1MM)	1	

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
	ALTERNATE: (V09-05002-10)		
J05-01010-00	TAIKO TS-80 CONNECTOR	1	CRT GROUNDING
	STRAND JUMPER AWG24 (UL1007)		
S02-04012-IA	400MM RED J1	1	L2/L3 = 3.5MM TINNED
S02-04014-IA	400MM YELLOW J2	1	L2/L3 = 3.5MM TINNED
S02-04010-IA	400MM BLACK J3	1	L2/L3 = 3.5MM TINNED
	CONNECTOR ASSEMBLY		
J03-0101A-01	SMK M-1 CONNECTOR 1 PIN WIRE TYPE : AWG24, STRAND, 1007 UL/CSA APPROVED L1=510MM, WHITE L2=3.5MM TINNED	1	
J05-0505A-04	TAIKO TL8-P CONNECTOR WIRE TYPE:AWG24, STRAND 1007 UL/CSA APPROVED PIN 1 L1=460MM BLACK L2=3.5MM TINNED PIN 2 L1=480MM RED L2=3.5MM TINNED PIN 3 L1=460MM BLUE L2=3.5MM TINNED PIN 4 L1=480MM GREEN L2=3.5MM TINNED PIN 5 L1=480MM YELLOW L2=3.5MM TINNED	1	SOCKET H
	*** CONTROL P.C.B. ASSEMBLY ***		
	CARBON FILM RESISTOR 1/4W +/-5%		
D01-A047C-00	4.7 OHM	1	R701
D01-A561C-00	560 OHM	1	R705
D01-A222C-00	2.2 KOHM	1	R704
D01-A223C-00	22 KOHM	1	R703
D01-A224C-00	220 KOHM	1	R702
	CERAMIC CAPACITOR		
F01-C203F-G0	0.02UF 50V +80-20%	1	C705
F01-C331F-C0	330PF 50V +/-5%	1	C703
	ELECTROLYTIC CAPACITOR		
F01-E335F-E0	3.3UF 50V +/-20%	1	C702
F01-E105F-E0	1UF 50V +/-20%	1	C701
F01-E476B-E0	47UF 10V +/-20%	1	C704
*G01-A040C-01	CONTROL P.C. BOARD	1	PC8003
H05-01101-00	PEAKING COIL 100UH	1	L701
K13-0101A-02	TACT SWITCH (SHAFT LENGTH 6 MM) ALTERNATE (K07-0101A-02)	12	SW705,706,707,708,709,710,711,712,713,714,715,716
K13-0101A-01	TACT SWITCH (SHAFT LENGTH 1.5MM) ALTERNATE (K07-0101A-01)	4	SW701,702,703,704

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
016-01080-00	IC CX20106A	1	IC701
P01-06010-00	PHOTO DIODE TPS703	1	LD701
P01-01010-00	LED RED TLR124	1	LD702
J05-0204A-01	TAIKO CONNECTOR 4 PINS	1	SOCKET B
	H-TL25H04-81-T-001T-5100		
	WIRE TYPE: AWG26 STRAND,1007		
	PIN 1 L1=260MM BLACK L2=3.5MM TINNED		
	PIN 2 L1=320MM RED " "		
	PIN 3 L1=260MM WHITE " "		
	PIN 4 L1=260MM YELLOW " "		
J05-0209A-07	TAIKO CONNECTOR 9 PINS	1	SOCKET A
	WIRE TYPE: AWG24,STRAND,1007 UL/CSA APPROVED		
	PIN 1 L1=380MM BROWN L2=3.5MM TINNED		
	PIN 2 L1=380MM RED " "		
	PIN 3 L1=380MM ORANGE " "		
	PIN 4 L1=380MM YELLOW " "		
	PIN 5 L1=380MM GREEN " "		
	PIN 6 L1=380MM BLUE " "		
	PIN 7 L1=380MM VIOLET " "		
	PIN 8 L1=380MM GREY " "		
	PIN 9 L1=380MM WHITE		
	*** A.V. INPUT P.C.B. ASSEMBLY ***		
	TRANSISTOR		
A01-C815E-00	2SC1815Y	3	Q1101,1102,1104
A01-A015E-00	2SA1015Y	1	Q1103
	DIODE		
B01-01148-00	IN4148	2	D1101,1102
	CARBON FILM RESISTOR +/-5% 1/4W		
D01-A101C-00	100 OHM	1	R1110
D01-A471C-00	470 OHM	1	R1105
D01-A272C-00	2.7 KOHM	1	R1108
D01-A332C-00	3.3 KOHM	1	R1106
D01-A562C-00	5.6 KOHM	1	R1104
D01-A103C-00	10 KOHM	2	R1109,1101
D01-A223C-00	22 KOHM	2	R1102,1103
D01-A822C-00	8.2 KOHM	1	R1107
	ELECTROLYTIC CAPACITOR (SINGLE END TYPE)		
F01-E225F-E0	2.2UF 50V +/-20%	2	C1101,1102
F01-E106C-E0	10UF 16V +/-20%	1	C1104
F01-E476C-E0	47UF 16V +/-20%	1	C1103
F01-E107C-E0	100UF 16V +/-20%	1	C1112

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
G01-A919H-00	AV INPUT P.C.BOARD (40MMX83MMX1.6MM)	1	
J05-0206A-01	TAIKO TL-2S V-TYPE CONNECTOR 6 PINS WIRE TYPE: AWG 26 STRAND UL1007 PIN 1 L1=110MM BROWN L2=3.5MM TINNED PIN 2 L1=120MM RED L2=3.5MM TINNED PIN 3 L1=120MM ORANGE L2=3.5MM TINNED PIN 4 L1=150MM YELLOW L2=3.5MM TINNED PIN 5 L1=140MM GREEN L2=3.5MM TINNED PIN 6 L1=110MM BLUE L2=3.5MM TINNED	1	SOCKET D
	PIN JACK ASSEMBLY		
V01-03000-00	PIN JACK V-TYPE BLACK	1	
V01-03001-04	PIN JACK V-TYPE	1	
V01-13000-00	EARTH TERMINAL	2	
	*** AC LINE FILTER PCB ASSEMBLY ***		
F05-3474V-E0	FILM CAPACITOR 0.47UF AC 250V	2	C1201,1202
G01-A010F-00	AC LINE FILTER P.C.BOARD	1	
H16-0601C-00	AC LINE FILTER	1	L1201
S05-A262D-00	AC LINE CORD VDE TYPE L=2.6M W/FILTER(KP-419J)	1	
K14-0201E-00	POWER SWITCH "ITT" 2P1T	1	SW1201
U01-02010-00	FUSE T2A AC 250V	1	F1201
V04-06001-00	FUSE HOLDER	2	
J05-01010-00	TAIKO TS-80 CONNECTOR	2	
J05-0101A-02	TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE:AWG22.STRAND DOUBLE INSULATION. 1617 UL/CSA APPROVED L1=360MM BLUE L2=10MM NON-TINNED	1	AC INPUT (NEUTRAL LINE)
J05-0101A-04	TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE:AWG22,STRAND DOUBLE INSULATION 1617 UL/CSA APPROVED L1=360MM BROWN L2=10MM NON-TINNED	1	AC INPUT (LIVE LINE)
J05-0101A-12	TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE:AWG22,STRAND DOUBLE INSULATION 1617 UL/CSA APPROVED L1=460MM BROWN L2=10MM NON-TINNED	1	FOR D1 (LIVE LINE)
J05-0101A-11	TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE:AWG22.STRAND DOUBLE INSULATION 1617 UL/CSA APPROVED L1=460MM BLUE L2=10MM NON-TOINNED	1	FOR D2 (NEUTRAL LINE)

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
	*** HAND SET PCB ASSEMBLY *** (ASSEMBLED IN CHINA)		
	TRANSISTOR		
A01-C120E-00	2SC2120-Y	1	Q802
	DIODE		
B01-01148-00	IN4148	7	D802,803,804,805,806,807,808
B01-01001-00	IN4001	1	D801
	CARBON FILM RESISTOR 1/4W +/-5%		
D01-A010C-00	1 OHM	2	R801,802
D01-A221C-00	220 OHM	1	R803
	ELECTROLYTIC CAPACITOR (SINGLE ENDED TYPE)		
F01-E107B-E0	100UF 10V +/-20%	1	C803
	CERAMIC CAPACITOR		
F01-C101F-C0	100PF 50V +/-5%	2	C801,802
G01-9849E-00	HAND SET P.C. BOARD	1	
M01-84551-00	CERAMIC RESONATOR 455KHz ALTERNATE: KBR-455BKTL (M03-84551-00)	1	X801
	INTEGRATED CIRCUIT		
004-01200-00	IC M50560-001P	1	IC801
B01-06110-00	INFRARED LED TLN105 ALTERNATE INFRARED LED SE303 A-C(B02-06110-00)	2	LD801,802
	STRAND JUMPER WIRE AWG26 (UL 1007)		
S00-06002-JA	60MM RED B+	1	L2/L3= 3.5MM TINNED
S00-04000-JA	40MM BLACK B-	1	" "
	*** COMPONENT NOT MOUNTED ON PCB ***		
J05-0101A-10	TAIKO TS-30 CONNECTOR 1 PIN WIRE TYPE:AWG24,STRAND 1015 UL/CSA APPROVED L1=280MM L2=10MM NON-TINNED	2	FOR CRT GROUNDING, TUNER GROUNDING
H07-0802A-00	DEGAUSSING COIL ALTERNATE: CD-116 (H19-0802A-00)	1	L2001
J05-0202A-04	TAIKO TL-25 V-TYPE CONNECTOR 2 PIN WIRE TYPE :AWG24,STRAND,1007 UL/CSA APPROVED PIN 1 L1=870MM BLACK L2=3.5MM TINNED PIN 2 L1=320MM WHITE L2=3.5MM TINNED	1	
L09-01002-00	LOUD SPEAKER 4 OHM 2-1/2" X 4"	2	

BILL-OF-MATERIAL (ELECTRICAL)

MODEL NO : T-2042GRZ(W/AV)

PART NO.	DESCRIPTION	QTY.	SCHEMATIC NO.
S02-D5614-IA	STRAND JUMPER WIRE AWG24 (UL1007) 560MM YELLOW	1	
T06-01480-21	COLOUR PICTURE TUBE 510UFB22-TC47(DPY)	1	

SPECIFICATIONS

TELEVISION SYSTEMS	: B/G SYSTEM FOR 625 LINES
COLOUR SYSTEMS	: PAL
CHANNEL COVERAGE	: VHF (L) CHANNEL 2-4
	VHF (H) CHANNEL 5-12
	UHF (U) CHANNEL 21-69
	CATV CHANNEL S1 -S20
PICTURE TUBE SIZE	: 51 cm
AERIAL	: 75 Ohm UNBALANCE (EXIT)
SPEAKER	: 8 Ohm 3W
AUDIO OUTPUT	: 2.5W MAX.
POWER SUPPLY	: 230V , 50 Hz
POWER CONSUMPTION	: 80W (MAX.)
DIMENSION (W x H x D)	: 510 x 470 x 460 mm
WEIGHT	: 23 KG